



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/820,226

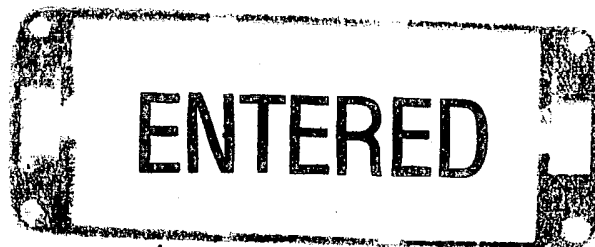
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TIME: 15:46:53

Input Set : A:\Seqlist.txt

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 5 Gulcher, Jeffrey R.  
 6 Grant, Struan F.  
 7 Thorleifsson, Gudmar  
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239 ggagggcatg aagtgagcag tcaccagcga aggcactctg gggctgcaga cgcagctggc 12000
240 ttccatggct gtgttccctt ccagcccttg aggatccagg actttctgga aacatgattt 12060
241 tggagttcac tggatgctga atccattacc accaaattgt gtgaccttg gaagtccaag 12120
242 ggagtcactc cttcgagcct agcctccttt tctgtaaaat gtgtgcaata atgccaatac 12180
243 cacaggttta ttaaagtaac gcacttaaaa gtgttttagt tagggcttgt gtcaaattaa 12240
244 ggattcaaca aatgatgggt ggttttgctt ttatttggct ttgctgttta tcagggctga 12300
245 gcttaaatct cctcattgac atcctaggca aaccaggac ctcccatgtc ttgggaaacg 12360
246 gctgagtgac tgaatcacc cacgtgggac agaaaagagt gagagatgtt ttcaacatac 12420
247 tctttgcctt tcttttccct acccgggatg cgagtatcag tgacaaagag ttttattcta 12480
248 gggagatgag acaggagagc tcacactgta ttcattgagc aagctcttca tgtccagaac 12540
249 ctttaaaatc tctgtacac tctgtcccca ctccagccc acactctct acggatgaaa 12600
250 aaataagaag gggcagtaaa accttgtctt tgtatagagt ccaccggggg ctcaacagag 12660
251 gaggtggagg aggcctcaga cctggatgtc gtggcagtc ctgcaccctg ggtcagagcc 12720
252 cctgaggac accaccctgg aagggagaag ctggctggaa ccacaaagcc catggacaa 12780
253 gcaagctctg gcactacctt tgagcatctg ctgtgcctgc tggcctgtct cacagggcac 12840
254 atgaggtaaa aagacatcag gcaaggctc ccccatgttc attatatctg gaaatttcag 12900

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/820,226

DATE: 09/20/2004  
TIME: 15:46:54

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\09202004\J820226.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; N Pos. 88,164  
Seq#:17; N Pos. 88,164  
Seq#:32; N Pos. 33,36,72,281,311  
Seq#:37; N Pos. 124,175,320  
Seq#:39; N Pos. 24,97,104,274  
Seq#:47; N Pos. 4,55,133,189,227,228,252,259,263  
Seq#:72; N Pos. 49,53,57,259,322  
Seq#:95; N Pos. 18,197  
Seq#:99; N Pos. 7,61,86,339  
Seq#:112; N Pos. 49,53,57,259,322  
Seq#:119; N Pos. 284  
Seq#:120; N Pos. 177  
Seq#:123; N Pos. 148  
Seq#:150; N Pos. 550

## VERIFICATION SUMMARY

DATE: 09/20/2004

PATENT APPLICATION: US/10/820,226

TIME: 15:46:54

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\09202004\J820226.raw

L:6672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60  
M:341 Repeated in SeqNo=15  
L:6700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60  
M:341 Repeated in SeqNo=17  
L:6884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
M:341 Repeated in SeqNo=32  
L:6950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:120  
M:341 Repeated in SeqNo=37  
L:6981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
M:341 Repeated in SeqNo=39  
L:7085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
M:341 Repeated in SeqNo=47  
L:7400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
M:341 Repeated in SeqNo=72  
L:7691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0  
M:341 Repeated in SeqNo=95  
L:7743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0  
M:341 Repeated in SeqNo=99  
L:7901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0  
M:341 Repeated in SeqNo=112  
L:8123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:240  
L:8139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:120  
L:8185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:120  
L:8753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:540